

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE RELOCATION OF INTERCONNECT TELEMETRY CABLE FROM 1200 FEET (+/-) WEST TO 600 FEET (+/-) EAST OF AND 100 FEET (+/-) SOUTH OF THE MD 175 AND DOBBIN ROAD INTERSECTION. MD 175 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

THIS IS A PARTIAL REALIGNMENT/RECONSTRUCTION OF THE EXISTING INTERCONNECT SYSTEM THAT CURRENTLY RUNS ALONG MD 175 FROM THUNDER HILL ROAD EAST TO MD 108.

INTERCONNECT OPERATIONS

THERE ARE TO BE NO CHANGES TO THE OPERATION OF THE SYSTEM. ADDITIONAL SAMPLING LOOPS WILL BE ADDED TO MD 175 EASTBOUND AND WESTBOUND OF DOBBIN ROAD DUE TO ROADWAY WIDENING.

CONTROLLER REQUIREMENTS

THE EXISTING CONTROLLER FOR THE SYSTEM IS TO BE UTILIZED.

SPECIAL NOTES

THE EXISTING INTERCONNECT CANNOT BE OUT OF SERVICE, INCLUDING SAMPLING LOOPS, WITHOUT THE PERMISSION AND KNOWLEDGE OF THE SIGNAL OPERATIONS SUPERVISOR, MR. EDWARD RODENHIZER (410-787-7652) OR THE SIGNAL SYSTEMS REPRESENTATIVE, MR. WOODROW L. HOOD III (410-787-5878).

72 HOURS PRIOR TO AND THE ACTUAL DAY THAT ANY WORK IS TO PERFORMED ON THE TRAFFIC SIGNAL INTERCONNECT SYSTEM, THE CONTRACTOR SHALL NOTIFY THE DISTRICT 7 TRAFFIC SECTION REPRESENTATIVE, MR. GEORGE MILLER (1-800-635-5119), THE SIGNAL OPERATIONS SUPERVISOR, MR. EDWARD RODENHIZER (410-787-7652) AND THE SIGNAL SYSTEMS REPRESENTATIVE, MR. WOODROW L. HOOD III (410-787-5878).

ALL FIELD WIRING FOR THE INTERCONNECT TO THE EXISTING AND PROPOSED CONTROLLER CABINETS SHALL BE TERMINATED BY THE CONTRACTOR AT THE APPROPRIATE CONTROLLER CABINET CONNECTORS PLUS 15 FEET OF COILED CABLE AND THE DIRECTION LABELLED. TELEMETRY CABLES AND ALL OTHER RELATED CONTROLLER WIRING SHALL BE PERFORMED BY THE S.H.A. SIGNAL SHOP. THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER AT 410-787-7631 SEVENTY-TWO (72) HOURS IN ADVANCE OF INTENDED WORK.

THE CONTRACTOR IS TO INSTALL NEW BELL-ENDS ON ALL UTILIZED CONDUIT IN THE EXISTING HANDHOLES EXCEPT IN CASES WHERE BELL-ENDS IN GOOD CONDITION EXIST.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

CATEGORY CODE NO.	SPEC. SECTION	QUANTITY	DESCRIPTION
971041	816	2 EA.	AUXILIARY CABINET WITH TERMINAL STRIP - POLE MOUNTED (PAINTED BROWN)

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	SPEC. SECTION	QUANTITY	DESCRIPTION
801004	801	2 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
802501	810	100 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
805115	805	150 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
805135	805	1000 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 40 RIGID PVC CONDUIT - TRENCHED
805140	805	40 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 40 RIGID PVC CONDUIT - TRENCHED
811001	811	6 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
822002	810	1200 L.F.	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE, JELLY-FILLED (UNDERGROUND)
837001	804	2 EA.	FURNISH AND INSTALL GROUND ROD - 3/4IN. DIAMETER X 10 FT. LENGTH
871041	816	2 EA.	INSTALL AUXILIARY CABINET WITH TERMINAL STRIP - POLE MOUNTED
868201	818	2 EA.	FURNISH AND INSTALL BREAKAWAY PEDESTRIAN POLE (PAINTED BROWN)
800000	810	LUMP SUM	RELOCATION OF EXISTING INTERCONNECT CABLE
800000	810	LUMP SUM	REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

WIRING DIAGRAM

SEE PLAN SHEET

SIGNAL INTERCONNECT

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 175: THUNDER HILL ROAD EAST TO MD 108

LOG MILE NO. 13017506.13      DATE 10/29 / 91

DRAWN BY: S.R. BARANOWSKI  
CHECK BY: S. RENZI 10/31/91

F.A.P. NO. CMG 3582(8)  
S.H.A. NO. HO-736-501-785

PLAN SHEET NO.:  
SHEET NO.

SCALE: 1" = 50'

COUNTY HOWARD

TS-3268A-G1 33 OF 46

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

<div>04-97 - WTB - SHA NO. H07645170 RELOCATE HANDHOLES DUE TO NEW GEOMETRICS</div>
JDM

THE WILSON T. BALLARD CO.  
CONSULTING ENGINEERS  
OWINGS MILLS, MARYLAND